# THE TECHNICAL UNIVERSITY OF KENYA

Haile Selassie Avenue, P.O. Box 52428, Nairobi, 00200, Tel +254(020) 343672, 2249974, 2251300, 341639

Fax 2219689, Email: vc@tukenya.ac.ke, Website: www.tukenya.ac.ke

## NAME: MR ANDREW YOUNG APUKO OYIEKE

| | |
|---|---|
| Faculty: | Engineering Sciences and Technology |
| School: | Mechanical and Process Engineering |
| Department: | Mechanical and Mechatronic Engineering |
| Current Designation: | Technologist, MECHANICAL AND MECHATRONIC ENGINEERING |
| Office Telephone: | +254(020) 2219929, 3341639, 3343672 |
| Official Email: | andrew.oyieke@tukenya.ac.ke |
| Consultation Hours: | 8AM-5PM MON - FRI |

## EDUCATION

| LEVEL | QUALIFICATION NAME | INSTITUTION | YEAR |
|---|---|---|---|
| Masters of Science (M.Sc.) | Mechanical Engineering | University of Kwazulu-Natal(South Africa) | 2015 |
| Bachelor of Industrial Technology (B.Ind.Tech) | Plant and Building Services Engineering | Egerton university(Kenya) | 2004 |
| Diploma | Mechanical Engineering (Plant option) | Kenya Polytechnic(Kenya) | 1999 |

## WORK EXPERIENCE

| PERIOD | INSTITUTION | POSITION |
|---|---|---|
| 2007 - 2011 | Egerton University | Senior Technologist |
| 2011 - * | Kenya Polytechnic University Collage | Technologist |

## CURRENT RESEARCH PROJECTS

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|---|---|
| COUPLED HEAT AND MASS TRANSFER | SOLAR POWERED LIQUID DESICCANT DEHUMIDIFICATION AND REGENERATION |
| VACUUM INSULATED HYBRID PHOTOVOLTAIC/THERMAL POWER MODULE | SOLAR POWER CONVERSION TECHNOLOGIES |

## SELECTED PUBLICATIONS

| TITLE | LINK TO PULICATION |
| --- | --- |
| Oyieke, A.Y.A. and Patrick, G.M. and Ogola, W.O. (2007), Processing of waste paper and saw dust as an alternative domestic fuel source Botswana Journal of Technology. Volume 16 #1. April. p. 59-65. | http://www.ajol.info/index.php/bjt |
| Oyieke Andrew Y. A. and Inambao F.L., "Simulation and Performance evaluation of a vacuum insulated hybrid solar photovoltaic/thermal power module for domestic applications." In proceedings of the 13th International Conference on Sustainable Energy Technologies(SET 2014) CD ROM, Geneva, Switzerland | http://www.hes-so.ch/en/set2-4323.html |
| Oyieke Andrew Y. A. and Inambao F.L., (2015) "Simulation and performance evaluation of a vacuum insulated hybrid solar photovoltaic/thermal power module for domestic applications in South Africa". TMC academic journal, Vol. 9, Issue no. 2, pp. 1-19. | http://www.tmc.edu.sg/images/stories/tmc/Docs/Journal/V9N2/File%204%20-%20Article%201.pdf |

## PROFESSIONAL AFFILIATIONS AND SOCIETIES

| TITLE | INSTITUTION |
| --- | --- |
| Member | International Solar Energy Society (ISES) |
| Member | World Society for Sustainable Energy Technologies (WSSET) |
| Member | Institution of Engineering Technologists (Kenya) |
| Member | Kenya Renewable Energy Association (KEREA) |
| Member | South African Institution of Mechanical Engineering (SAIMechE) |
| Member | International Association of Engineers (IAENG) |